

Data Path : Z:\pestpcbsrv\HPCHEM1\FID_C\Data\FC012622AL\
 Data File : FC058119.D
 Signal(s) : FID1A.CH
 Acq On : 26 Jan 2022 10:55
 Operator : AJ\MA
 Sample : 20 PPM ALIPHATIC HC STD
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 FID_C
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/27/2022
 Supervised By :mohammad ahmed 01/27/2022

Integration File: autoint1.e
 Quant Time: Jan 26 11:19:42 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\FID_C\Method\Aliphatic EPH 010522.M
 Quant Title : GC Extractables
 QLast Update : Wed Jan 05 12:13:43 2022
 Response via : Initial Calibration
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 ul
 Signal Phase : Rxi-1ms
 Signal Info : 20M x 0.18mm x 0.18um

Compound	R.T.	Response	Conc Units

System Monitoring Compounds			
9) S ortho-Terphenyl (SURR)	10.698	4142326	21.422 ug/ml
Spiked Amount 50.000		Recovery =	42.84%
12) S 1-chlorooctadecane (S...	12.135	3147721	21.357 ug/ml
Spiked Amount 50.000		Recovery =	42.71%
Target Compounds			
1) T n-Nonane (C9)	2.628	3756185	23.489 ug/ml
2) T n-Decane (C10)	3.618	3854101	23.979 ug/ml
3) T A~Naphthalene (C11.7)	5.156	4302157	23.693 ug/ml
4) T n-Dodecane (C12)	5.589	3889119	24.114 ug/ml
5) T A~2-methylnaphthalene...	6.197	4318853	23.617 ug/ml
6) T n-Tetradecane (C14)	7.370	3978794	24.100 ug/ml
7) T n-Hexadecane (C16)	8.960	3967881	23.754 ug/ml
8) T n-Octadecane (C18)	10.394	3939224	22.891 ug/ml
10) T n-Eicosane (C20)	11.697	3749655	21.903 ug/ml
11) T n-Heneicosane (C21)	12.305	3709111	21.449 ug/ml
13) T n-Docosane (C22)	12.888	3612453	20.881 ug/ml
14) T n-Tetracosane (C24)	13.987	3520657	20.338 ug/ml
15) T n-Hexacosane (C26)	15.002	3395205	20.175 ug/ml
16) T n-Octacosane (C28)	15.949	3445594	21.055 ug/ml
17) T n-Tricontane (C30)	16.834	3565501	22.838 ug/ml
18) T n-Dotriacontane (C32)	17.663	3385041	24.279 ug/ml
19) T n-Tetratriacontane (C34)	18.445	3010032	24.218 ug/ml
20) T n-Hexatriacontane (C36)	19.181	2465567	22.176 ug/ml
21) T n-Octatriacontane (C38)	19.886	2110906	20.236 ug/ml
22) T n-Tetracontane (C40)	20.707	1898499	19.827 ug/mlm

(f)=RT Delta > 1/2 Window

(m)=manual int.

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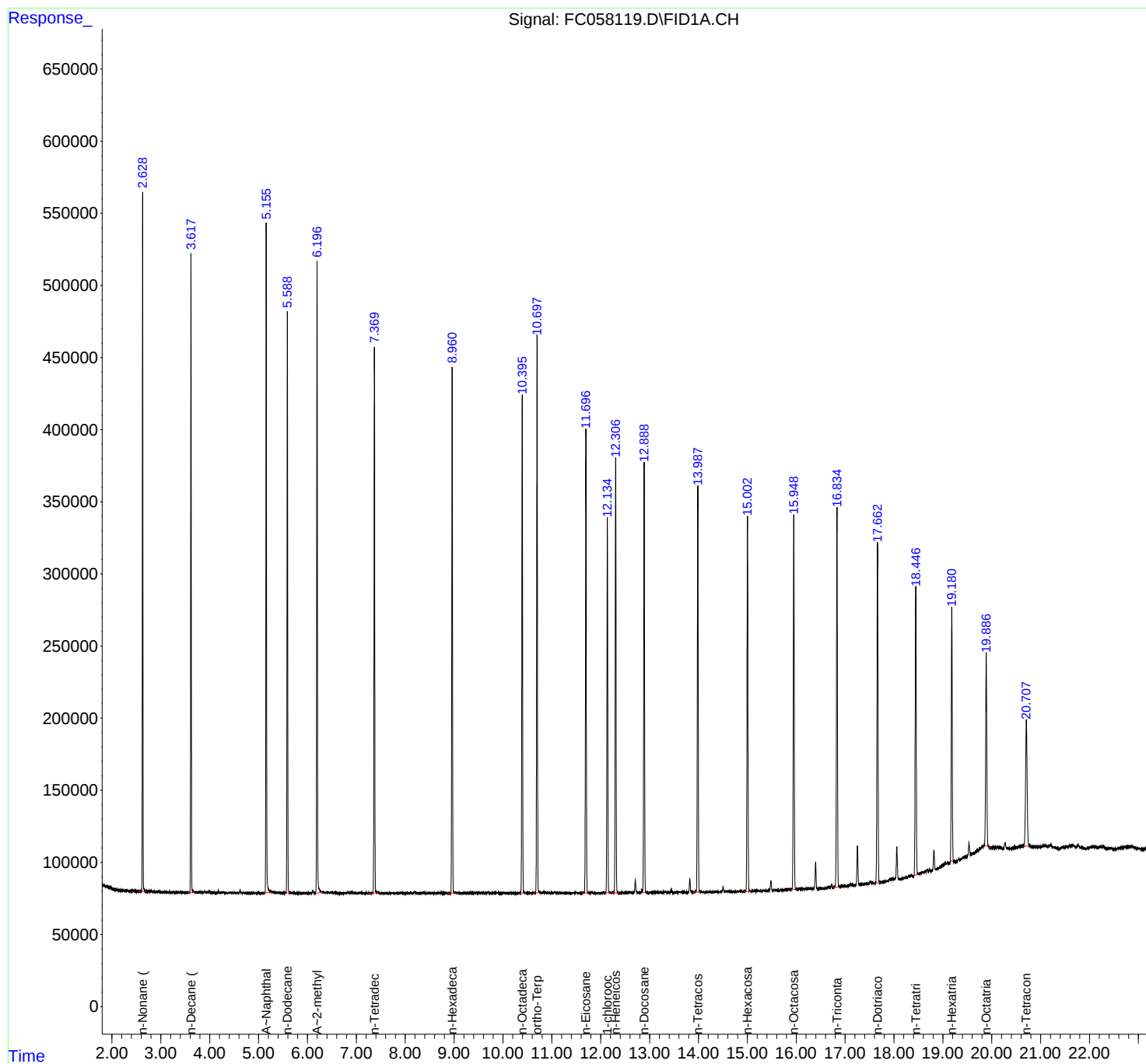
Instrument :
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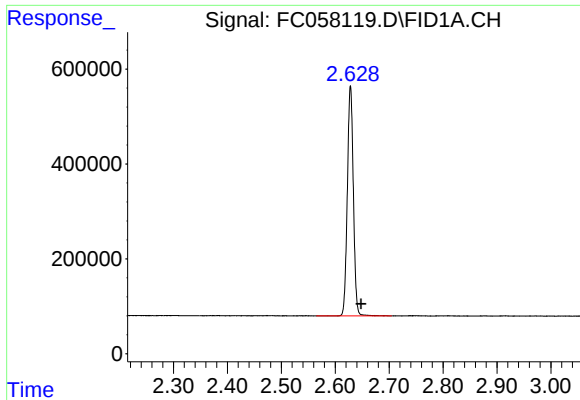
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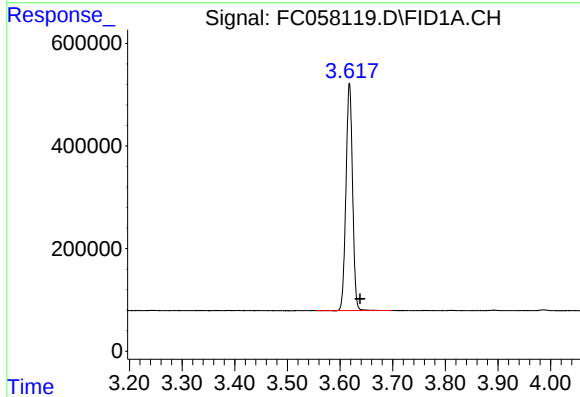
#1 n-Nonane (C9)

R.T.: 2.628 min
Delta R.T.: -0.020 min
Response: 3756185
Conc: 23.49 ug/ml

Instrument :
FID_C
ClientSampleId :

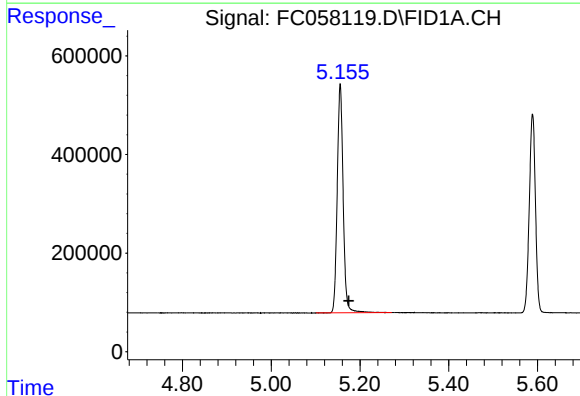
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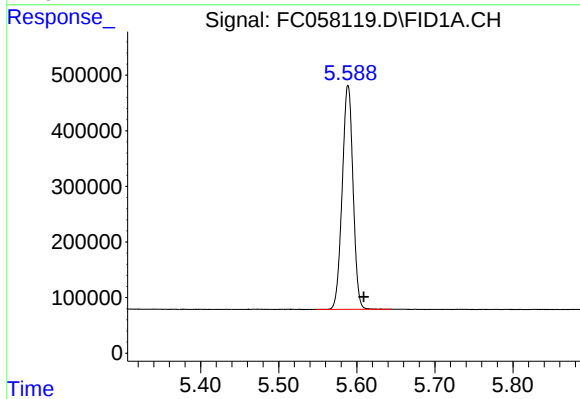
#2 n-Decane (C10)

R.T.: 3.618 min
Delta R.T.: -0.020 min
Response: 3854101
Conc: 23.98 ug/ml



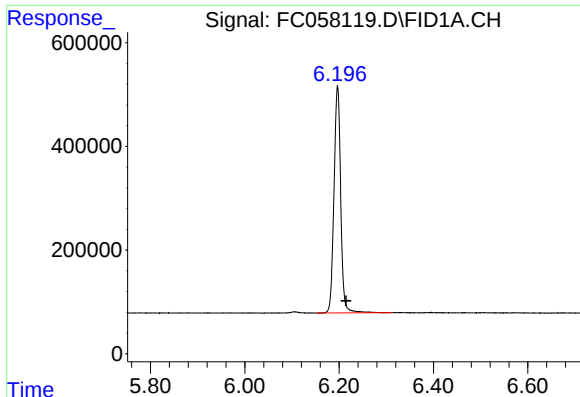
#3 A~Naphthalene (C11.7)

R.T.: 5.156 min
Delta R.T.: -0.019 min
Response: 4302157
Conc: 23.69 ug/ml



#4 n-Dodecane (C12)

R.T.: 5.589 min
Delta R.T.: -0.020 min
Response: 3889119
Conc: 24.11 ug/ml



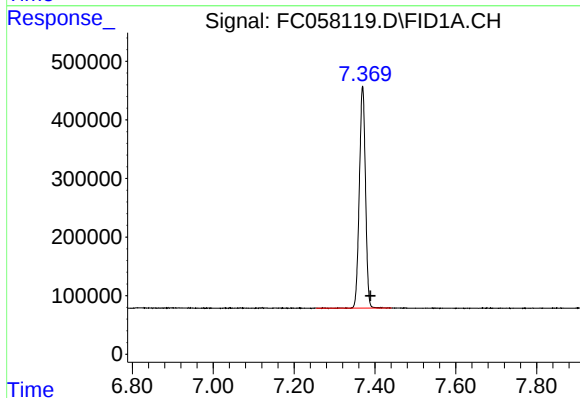
#5 A~2-methylnaphthalene (C12.89)

R.T.: 6.197 min
Delta R.T.: -0.018 min
Response: 4318853
Conc: 23.62 ug/ml

Instrument :
FID_C
ClientSampleId :

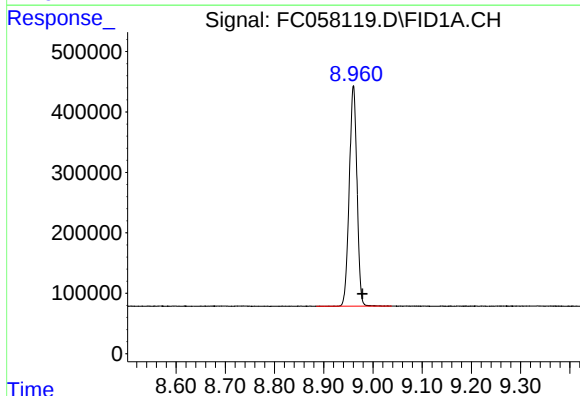
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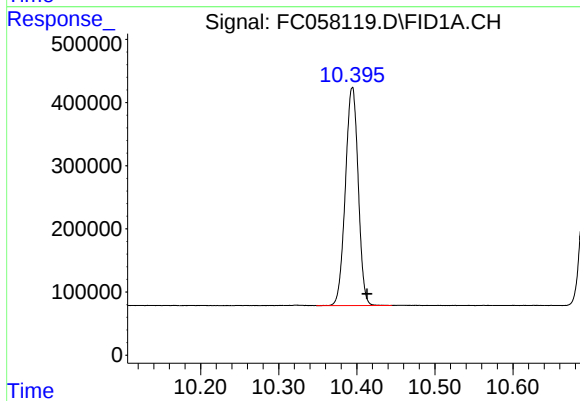
#6 n-Tetradecane (C14)

R.T.: 7.370 min
Delta R.T.: -0.019 min
Response: 3978794
Conc: 24.10 ug/ml



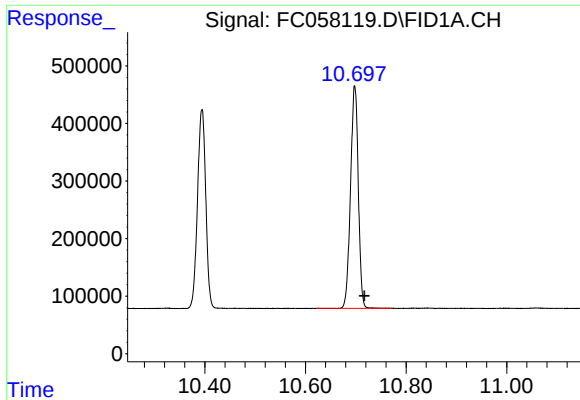
#7 n-Hexadecane (C16)

R.T.: 8.960 min
Delta R.T.: -0.019 min
Response: 3967881
Conc: 23.75 ug/ml



#8 n-Octadecane (C18)

R.T.: 10.394 min
Delta R.T.: -0.019 min
Response: 3939224
Conc: 22.89 ug/ml



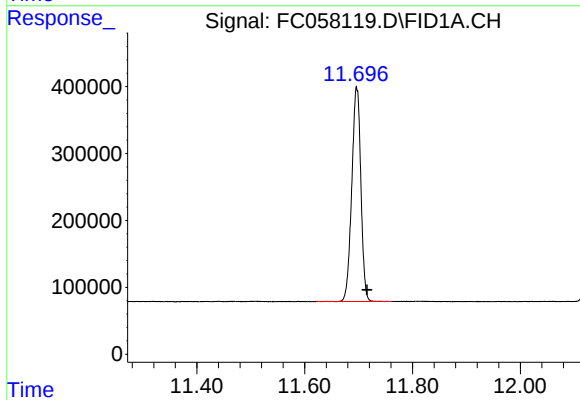
#9 ortho-Terphenyl (SURR)

R.T.: 10.698 min
Delta R.T.: -0.019 min
Response: 4142326
Conc: 21.42 ug/ml

Instrument :
FID_C
ClientSampleId :

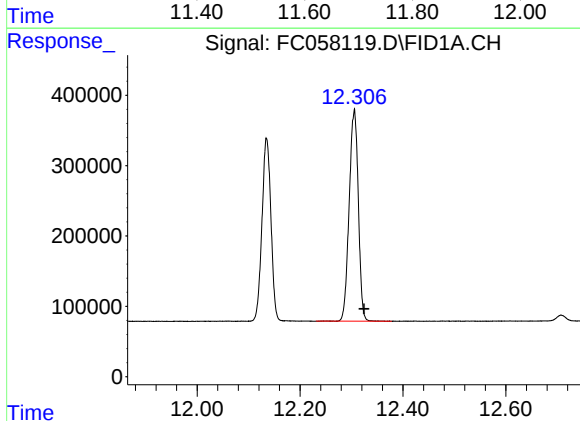
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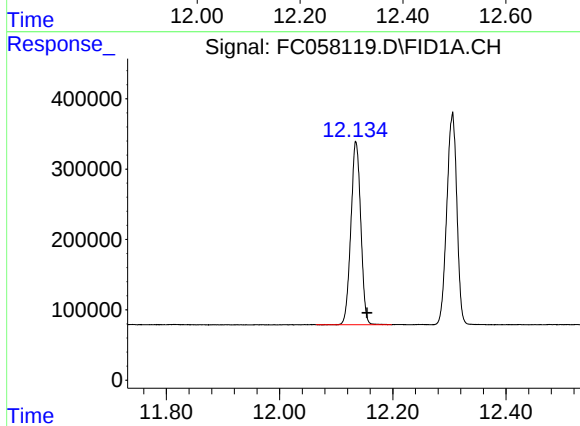
#10 n-Eicosane (C20)

R.T.: 11.697 min
Delta R.T.: -0.019 min
Response: 3749655
Conc: 21.90 ug/ml



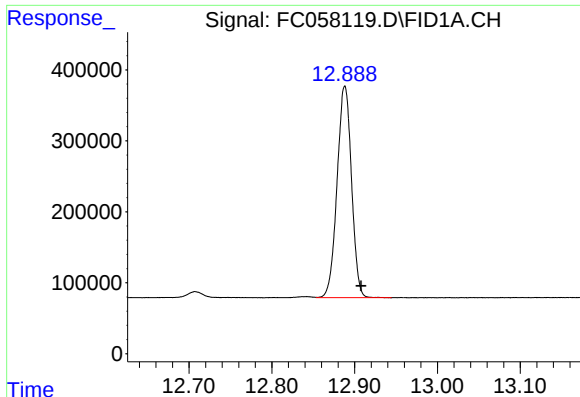
#11 n-Heneicosane (C21)

R.T.: 12.305 min
Delta R.T.: -0.019 min
Response: 3709111
Conc: 21.45 ug/ml



#12 1-chlorooctadecane (SURR)

R.T.: 12.135 min
Delta R.T.: -0.020 min
Response: 3147721
Conc: 21.36 ug/ml



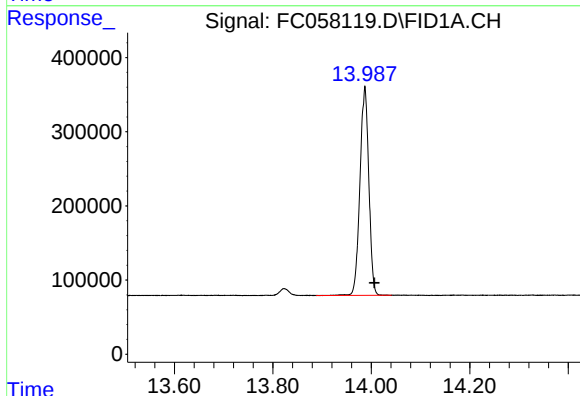
#13 n-Docosane (C22)

R.T.: 12.888 min
Delta R.T.: -0.020 min
Response: 3612453
Conc: 20.88 ug/ml

Instrument :
FID_C
ClientSampleId :

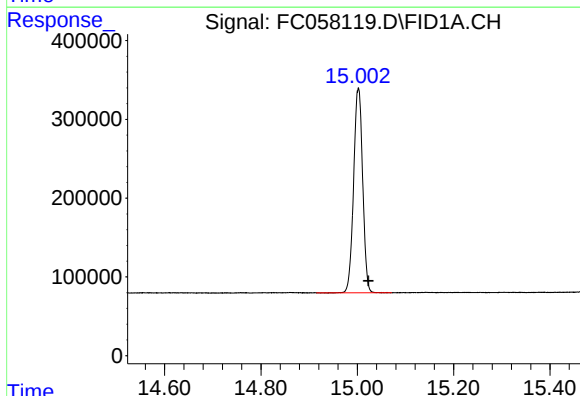
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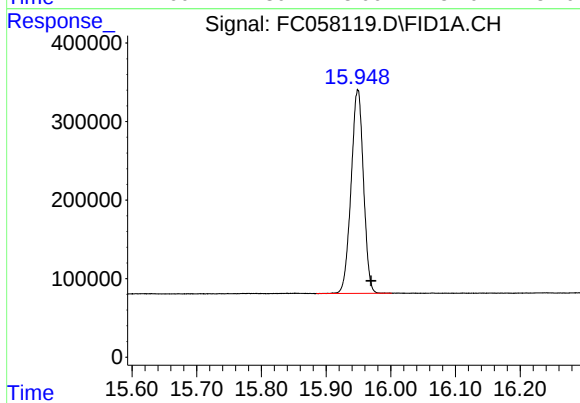
#14 n-Tetracosane (C24)

R.T.: 13.987 min
Delta R.T.: -0.020 min
Response: 3520657
Conc: 20.34 ug/ml



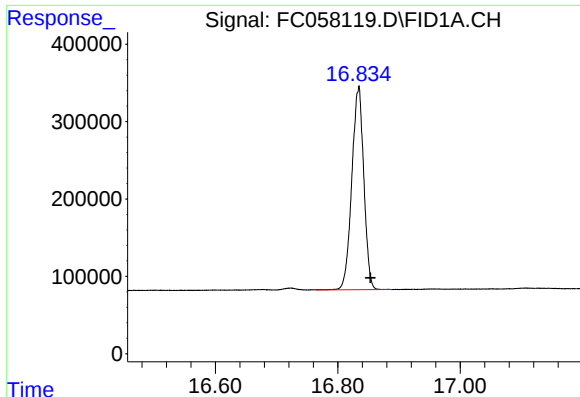
#15 n-Hexacosane (C26)

R.T.: 15.002 min
Delta R.T.: -0.021 min
Response: 3395205
Conc: 20.17 ug/ml



#16 n-Octacosane (C28)

R.T.: 15.949 min
Delta R.T.: -0.021 min
Response: 3445594
Conc: 21.06 ug/ml



#17 n-Tricontane (C30)

R.T.: 16.834 min
Delta R.T.: -0.020 min
Response: 3565501
Conc: 22.84 ug/ml

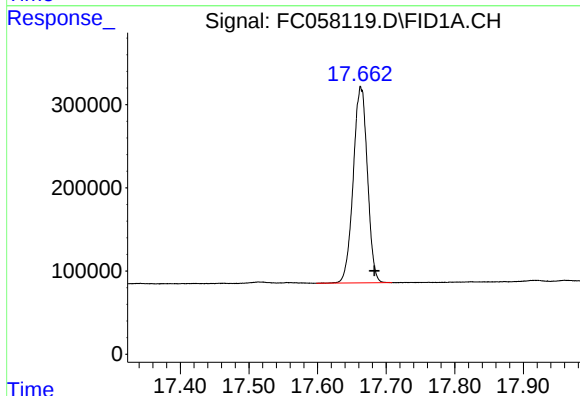
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FID_C

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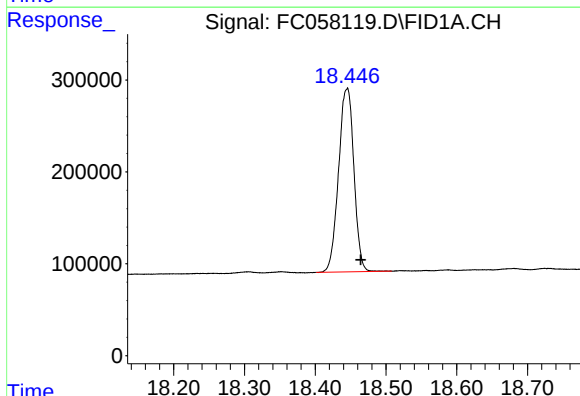
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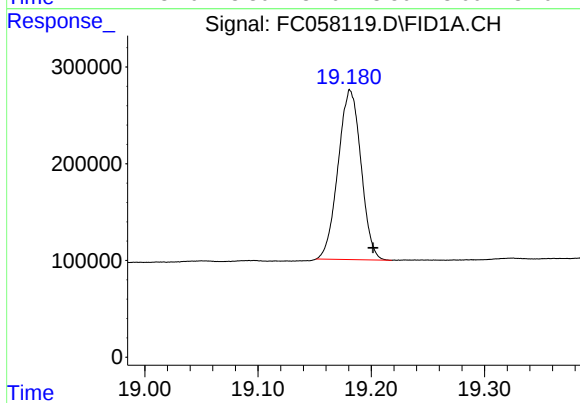
#18 n-Dotriacontane (C32)

R.T.: 17.663 min
Delta R.T.: -0.020 min
Response: 3385041
Conc: 24.28 ug/ml



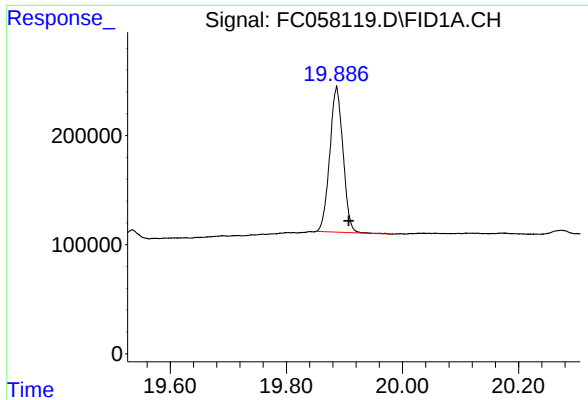
#19 n-Tetratriacontane (C34)

R.T.: 18.445 min
Delta R.T.: -0.020 min
Response: 3010032
Conc: 24.22 ug/ml



#20 n-Hexatriacontane (C36)

R.T.: 19.181 min
Delta R.T.: -0.020 min
Response: 2465567
Conc: 22.18 ug/ml



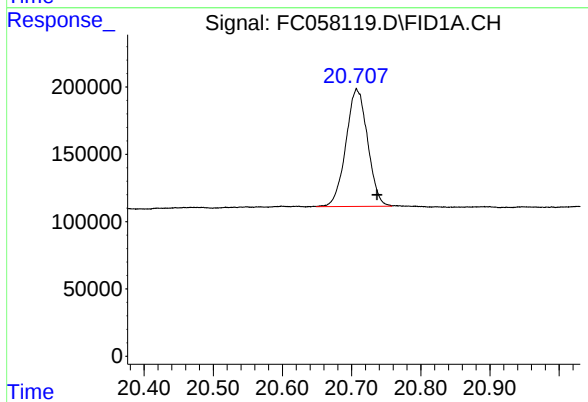
#21 n-Octatriacontane (C38)

R.T.: 19.886 min
Delta R.T.: -0.021 min
Response: 2110906
Conc: 20.24 ug/ml

Instrument :
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#22 n-Tetracontane (C40)

R.T.: 20.707 min
Delta R.T.: -0.030 min
Response: 1898499
Conc: 19.83 ug/ml m